

2. (Amended) The method of claim 1 wherein increasing the effective serving rate comprises providing an auxiliary storage area for packets that would otherwise be stored in a queue at the router.

3. (Unchanged) The method of claim 2 wherein the auxiliary storage area is associated with a physical storage device external to the router.

4. (Amended) The method of claim 1 wherein the effective serving rate is increased for a time period comprising approximately a round trip time interval for a packet transmitted in the network.

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JAN 03 2003

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REMARKS

Reconsideration of this application, as amended, is respectfully requested. The above amendments are supported by the specification as filed, for example, at page 11 lines 4-11. Thus, no new matter is added by these amendments.

The present claims are patentable over the cited art of record. Lin et al. U.S. Patent No. 6,405,256, describes methods for controlling congestion within a network. Specifically, at column 8 lines 54-56, Lin describes the two ways in which problems associated with congestion are managed. First, Lin decreases the rate at which data is transmitted out of a caching server. That is, the number of packets per unit time interval transmitted by this caching server is decreased. Second, an expandable buffer within the caching server is increased. That is, the amount of time spent by a packet in a queue at the caching server is increased.

This process as taught by Lin is contrary to the method recited in the present claims. Indeed, it is the converse of the method recited in the present claims, wherein the effective serving